

SEQUENCE LISTING

<110> Kevin Baker et al.

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 Leu Val Met Thr Thr Asn Ser Lys Glu Cys Glu Leu Pro Ala Ala Asp
 965 970 975
 Ser Cys Ala Ile Met Glu Gly Glu Asp Asn Glu Glu Glu Val Val Tyr
 980 985 990
 Ser Asn Lys Gln Ser Leu Leu Gly Lys Leu Lys Ser Leu Ala Thr Lys
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Glu Lys Glu Asp His Phe Glu Ser Val Gln Leu Lys Thr Ser Arg
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Ser Pro Asn Ile
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35 40 45

Gln Cys Cys Asn Gln Cys Pro Pro Gly Glu Phe Ala Lys Val Arg Cys
50 55 60

Asn Gly Asn Asp Asn Thr Lys Cys Glu Arg Cys Pro Pro His Thr Tyr
65 70 75 80

Thr Ala Ile Pro Asn Tyr Ser Asn Gly Cys His Gln Cys Arg Lys Cys
85 90 95

Pro Thr Gly Ser Phe Asp Lys Val Lys Cys Thr Gly Thr Gln Asn Ser
100 105 110

Lys Cys Ser Cys Leu Pro Gly Trp Tyr Cys Ala Thr Asp Ser Ser Gln
115 120 125

Thr Glu Asp Cys Arg Asp Cys Ile Pro Lys Arg Arg Cys Pro Cys Gly
130 135 140

Tyr Phe Gly Gly Ile Asp Glu Gln Gly Asn Pro Ile Cys Lys Ser Cys
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Cys Val Gly Glu Tyr Cys Asp Tyr Leu Arg Asn Tyr Arg Leu Asp Pro
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Phe Pro Pro Cys Lys Leu Ser Lys Cys Asn
180 185

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Gly Asp Thr Tyr Pro Ser Asn Asp Arg Cys Cys His Glu Cys Arg Pro
 35 40 45
 Gly Asn Gly Met Val Ser Arg Cys Ser Arg Ser Gln Asn Thr Val Cys
 50 55 60
 Arg Pro Cys Gly Pro Gly Phe Tyr Asn Asp Val Val Ser Ser Lys Pro
 65 70 75 80
 Cys Lys Pro Cys Thr Trp Cys Asn Leu Arg Ser Gly Ser Glu Arg Lys
 85 90 95
 Gln Leu Cys Thr Ala Thr Gln Asp Thr Val Cys Arg Cys Arg Ala Gly
 100 105 110
 Thr Gln Pro Leu Asp Ser Tyr Lys Pro Gly Val Asp Cys Ala Pro Cys
 115 120 125
 Pro Pro Gly His Phe Ser Pro Gly Asp Asn Gln Ala Cys Lys Pro Trp
 130 135 140
 Thr Asn Cys Thr Leu Ala Gly Lys His Thr Leu Gln Pro Ala Ser Asn
 145 150 155 160
 Ser Ser Asp Ala Ile Cys Glu Asp Arg Asp Pro Pro Ala Thr Gln Pro
 165 170 175
 Gln Glu Thr Gln Gly Pro Pro Ala Arg Pro Ile Thr Val Gln Pro Thr
 180 185 190
 Glu Ala Trp Pro Arg Thr Ser Gln Gly Pro Ser Thr Arg Pro Val Glu
 195 200 205
 Val Pro Gly Gly Arg Ala Val Ala Ala Ile Leu Gly Leu Gly Leu Val
 210 215 220
 Leu Gly Leu Leu Gly Pro Leu Ala Ile Leu Leu Ala Leu Tyr Leu Leu
 225 230 235 240
 Arg Arg Asp Gln Arg Leu Pro Pro Asp Ala His Lys Pro Pro Gly Gly
 245 250 255
 Gly Ser Phe Arg Thr Pro Ile Gln Glu Glu Gln Ala Asp Ala His Ser
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 Thr Leu Ala Lys Ile
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Phe Glu Phe Phe Ile Gln Asn Asp
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Thr Pro Cys Asp Glu Glu Gly Lys Thr Gln Ile Met Tyr Lys Trp Ile
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Glu Pro Lys Ile Cys Arg Glu Asp Leu Thr Asp Ala Ile Arg Leu Pro
35 40 45

Pro Ser Gly Glu Lys Lys Asp Cys Pro Pro Cys Asn Pro Gly Phe Tyr
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Asn Asn Gly Ser Ser Ser Cys His Pro Cys
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Phe Lys His Ala Phe Cys Ser Thr Phe Ala Ala Glu Cys
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Ile Val Met Trp Thr Gln Cys Leu Gln Arg Val Trp Thr Gly Met Ile
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Lys Pro Pro
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Val Ser Ile Val Ala Gly Leu Ile Leu Trp Ile Ser Ile Asp Val Thr
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Phe Pro Arg Arg Phe
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20 25 30
Glu Gly Glu Asp Asn Glu Glu Glu Val Val Tyr Ser Asn Lys Gln Ser
35 40 45
Leu Leu Gly Lys Leu Lys Ser Leu Ala Thr Lys Glu Lys Glu Asp His
50 55 60
Phe Glu Ser Val Gln Leu Lys Thr Ser Arg Ser Pro Asn Ile
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Met Asp Thr Thr Thr Asp Lys Trp Val Lys Leu Thr Asp Asn Gly Glu		
115	120	125
Trp Gly Ser His Ser Val Met Leu Lys Ser Gly Thr Asn Ile Leu Tyr		
130	135	140
Trp Arg Thr Thr Gly Ile Leu Met Gly Ser Lys Ala Val Lys Pro Val		
145	150	155
Leu Val Lys Asn Ile Thr Ile Glu Gly Val Ala Tyr Thr Ser Glu Cys		
165	170	175
Phe Pro Cys Lys Pro Gly Thr Phe Ser Asn Lys Pro Gly Ser Phe Asn		
180	185	190
Cys Gln Val Cys Pro Arg Asn Thr Tyr Ser Glu Lys Gly Ala Lys Glu		
195	200	205
Cys Ile Arg Cys Lys Asp Asp Ser Gln Phe Ser Glu Glu Gly Ser Ser		
210	215	220
Glu Cys Thr Glu Arg Pro Pro Cys Thr Thr Lys Asp Tyr Phe Gln Ile		
225	230	235
His Thr Pro Cys Asp Glu Glu Gly Lys Thr Gln Ile Met Tyr Lys Trp		
245	250	255
Ile Glu Pro Lys Ile Cys Arg Glu Asp Leu Thr Asp Ala Ile Arg Leu		
260	265	270
Pro Pro Ser Gly Glu Lys Lys Asp Cys Pro Pro Cys Asn Pro Gly Phe		
275	280	285
Tyr Asn Asn Gly Ser Ser Ser Cys His Pro Cys Pro Pro Gly Thr Phe		
290	295	300
Ser Asp Gly Thr Lys Glu Cys Arg Pro Cys Pro Ala Gly Thr Glu Pro		
305	310	315
Ala Leu Gly Phe Glu Tyr Lys Trp Trp Asn Val Leu Pro Gly Asn Met		
325	330	335
Lys Thr Ser Cys Phe Asn Val Gly Asn Ser Lys Cys Asp Gly Met Asn		
340	345	350
Gly Trp Glu Val Ala Gly Asp His Ile Gln Ser Gly Ala Gly Gly Ser		
355	360	365
Asp Asn Asp Tyr Leu Ile Leu Asn Leu His Ile Pro Gly Phe Lys Pro		
370	375	380
Pro Thr Ser Met Thr Gly Ala Thr Gly Ser Glu Leu Gly Arg Ile Thr		
385	390	395
Phe Val Phe Glu Thr Leu Cys Ser Ala Asp Cys Val Leu Tyr Phe Met		

405

410

415

Val Asp Ile Asn Arg Lys Ser Thr Asn Val Val Glu Ser Trp Gly Gly
420 425 430

Thr Lys Glu Lys Gln Ala Tyr Thr His Ile Ile Phe Lys Asn Ala Thr
435 440 445

Phe Thr Phe Thr Trp Gly Ile Pro Arg Glu Leu Ile Gln Gly Pro Arg
450 455 460